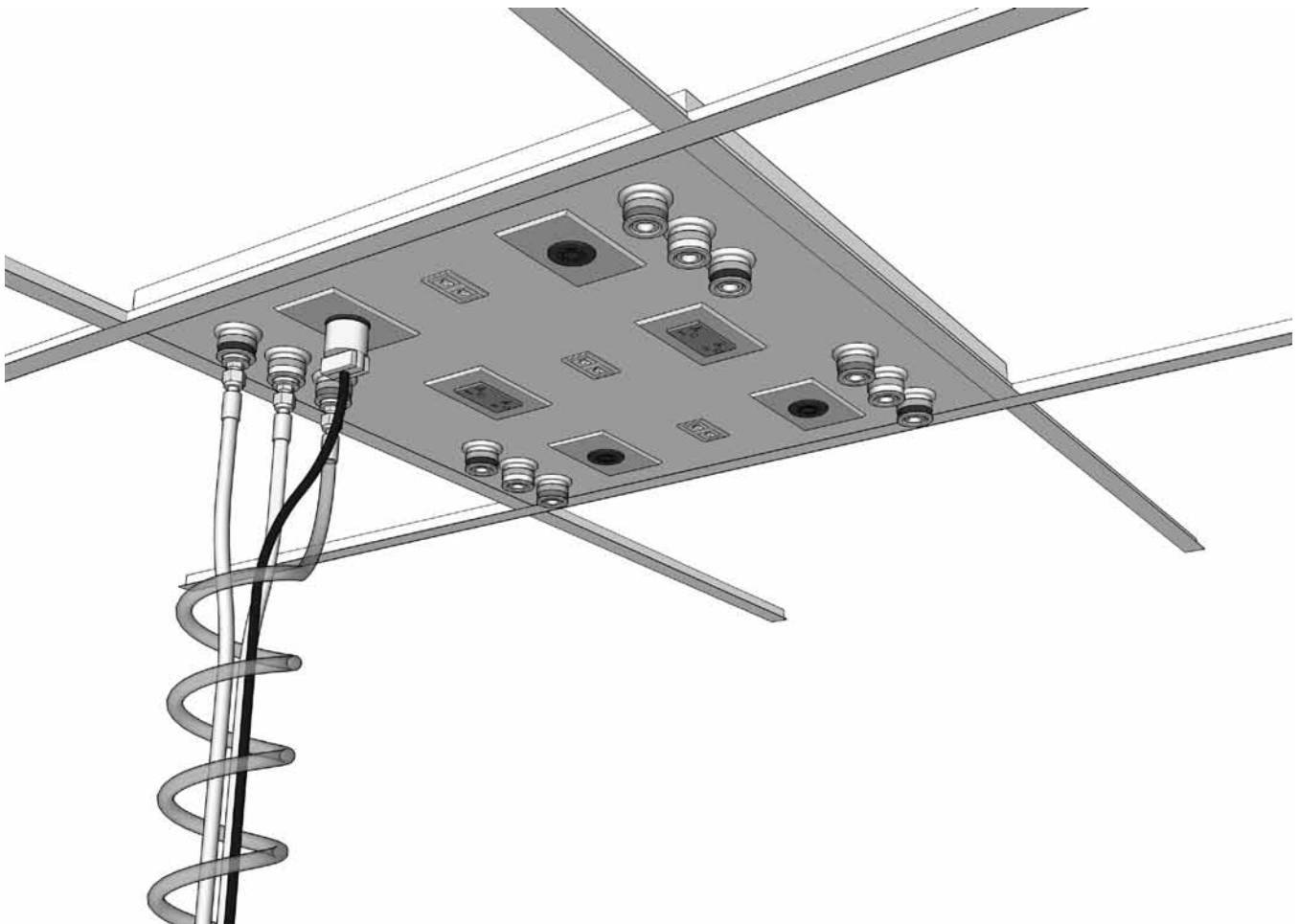


# Ceiling Service Panel

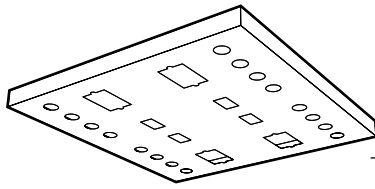
## Features:

- Designed to integrate into common ceiling grids for delivering plumbing, electrical, and data services to the lab bench
- Fits in standard 2' x 2' and 2' x 4' ceiling grids
- Power components are UL listed, and pre-wiring is available
- Available in all standard powder coat finish colors
- May be customized to meet your project requirements
- Accommodates multiple lab services including:
  - Common gases, air, vacuum, and water
  - High purity and special gases
  - Power and data
- Accepts multiple fitting options including:
  - Standard or fine control valves
  - Pressure gauges and regulators
  - Quick-connect valves
  - Quick-connect fittings and hoses
  - Communication and data outlets
  - Electrical service outlets



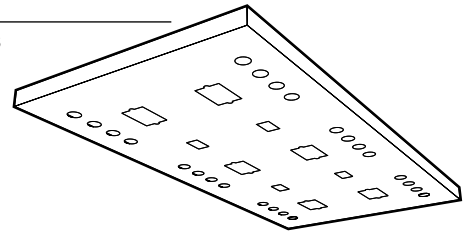
# Ceiling Service Panel

## Typical Ceiling Panel Layouts



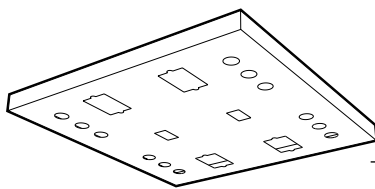
### Six Station – 2' x 4' panel

Six groups of 4 service cutouts  
Six duplex receptacles cutouts  
Four data outlet cutouts



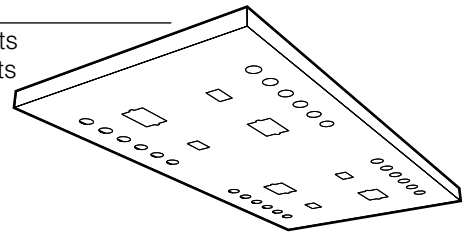
### Four Station – 2' x 2' panel

Four groups of 4 service cutouts  
Four duplex receptacles cutouts  
Two data outlet cutouts



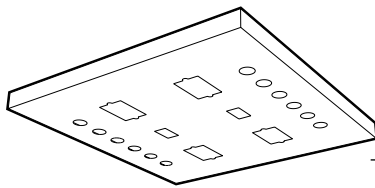
### Four Station – 2' x 4' panel

Four groups of 6 service cutouts  
Four duplex receptacles cutouts  
Four data outlet cutouts



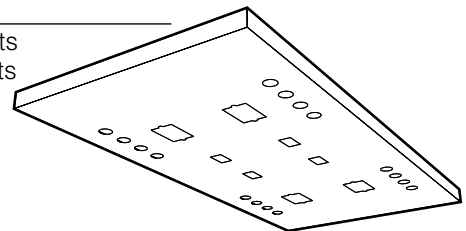
### Four Station – 2' x 2' panel

Four groups of 3 service cutouts  
Four duplex receptacles cutouts  
Two data outlet cutouts



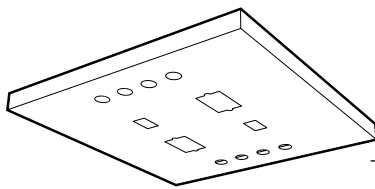
### Four Station – 2' x 4' panel

Four groups of 4 service cutouts  
Four duplex receptacles cutouts  
Two data outlet cutouts



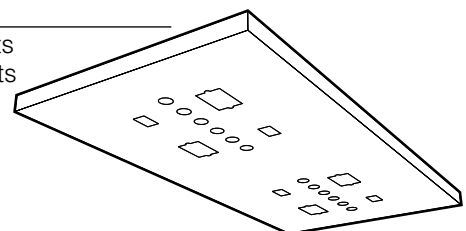
### Two Station – 2' x 2' panel

Two groups of 6 service cutouts  
Four duplex receptacles cutouts  
Two data outlet cutouts



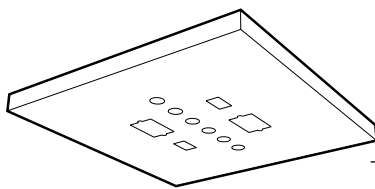
### Two Station – 2' x 4' panel

Two groups of 6 service cutouts  
Four duplex receptacles cutouts  
Four data outlet cutouts



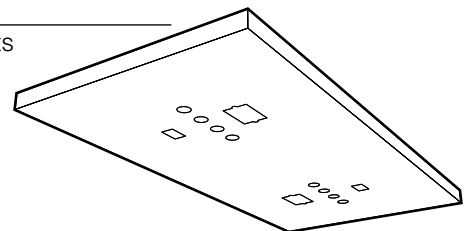
### Two Station – 2' x 2' panel

Two groups of 4 service cutouts  
Two duplex receptacles cutouts  
Two data outlet cutouts



### Two Station – 2' x 4' panel

Two groups of 4 service cutouts  
Two duplex receptacle cutouts  
Two data outlet cutouts



### One Station – 2' x 2' panel

One group of 6 service cutouts  
One duplex receptacle cutout  
One data outlet cutout

# Ceiling Service Panel and Accessories

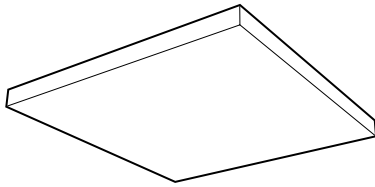
## Specifications:

**Ceiling Service Panels** are fabricated from powder coat 18 gauge steel in two sizes to fit standard ceiling grid. They can be punched to accept most electrical, data, or service fittings. (see pages 48 and 49 for Ceiling Service Panel Layout Sheets)

**Fittings and Fixtures must be ordered separately**

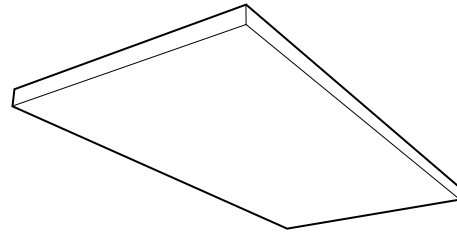
**Electrical Fixtures** are furnished complete with device, box and cover plate and are supplied loose, uninstalled.

### 24" x 24" Ceiling Service Panel



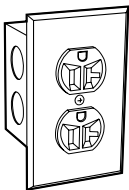
Part Number	Dimensions (HxDxL)
<b>SC10M022424-00</b>	1½" x 24" x 24"

### 24" x 48" Ceiling Service Panel



Part Number	Dimensions (HxDxL)
<b>SC10M022448-00</b>	1½" x 24" x 48"

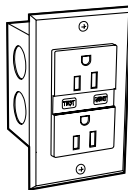
## Electrical Fixtures



### Straight Blade

**0581-1K** Black  
**0581-1V** Ivory

120 volt AC, specification grade, 20 amp, single duplex, receptacle.

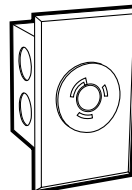


### Straight Blade GFCI

**0656-1K** Black  
**0656-1V** Ivory

120 Volt GFCI specification grade, 20 amp, ground fault protected, single duplex receptacle.

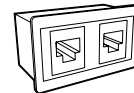
Note: One ground fault interrupter will protect all outlets on the same circuit.



### Twist-Lock 20 amp

**0620-1K** Black

120 volt AC, specification grade, 20 amp, single receptacle.



### Data/Comm Outlet

**0720-0K** Black  
**0720-0V** Ivory

(2) RJ45 Outlets. Fits in 1¼" x 2" cutout.

# Ceiling Service Panel Accessories

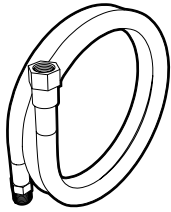
## Specifications:

**Service Hoses** are required to carry services from overhead service carriers to the top of the Support Frame. They are available in reinforced PVC, polyurethane, or braided stainless steel.

**Power Cords** are required to carry electrical power from the overhead service carriers to the top of the Support Frame. The SJ 12/3 cord is available in various configurations.

**Keyed Quick-Connect Fittings** are available for Hoses and Internal Service Tubes to ease service connection and disconnection during bench relocation. They are available in eight sizes (keys) which keeps service outlets from being connected to the wrong service.

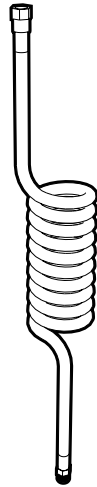
## Service Hoses



### Reinforced PVC Hose

for Non-burning Gases  
3/8" IPS Female Inlet — 3/8" IPS Male Outlet

Length	Part Number
36"	<b>W-1133-36</b>
72"	<b>W-1133-72</b>



### Coiled Polyurethane Hose

for Non-burning Gases  
3/8" IPS Female Inlet — 3/8" IPS Male Outlet

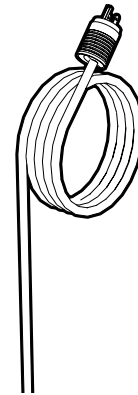
Length	Part Number
72"	<b>W-1533-72</b>

### Braided Stainless Steel Hose

for Natural & Reactive Gases  
3/8" IPS Female Inlet — 3/8" IPS Male Outlet

Length	Part Number
36"	<b>W-1233-36</b>
72"	<b>W-1233-72</b>

## Power Cords



### 3-wire Power Cord

120 VAC

Length	Part Number	Plug
36"	<b>W-5621-36</b>	20A Straight Blade
72"	<b>W-5621-72</b>	20A Straight Blade
36"	<b>W-5622-36</b>	20A Twist-Lock
72"	<b>W-5622-72</b>	20A Twist-Lock

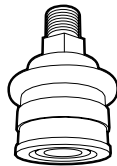
## Keyed Quick-Connect Fittings



### Male Quick-Connect Fitting

3/8" IPS Male Outlet

Part Number	Key Color
<b>W-8111-K1</b>	Black
<b>W-8111-K2</b>	Orange
<b>W-8111-K3</b>	Green
<b>W-8111-K4</b>	Yellow
<b>W-8111-K5</b>	Blue
<b>W-8111-K6</b>	White
<b>W-8111-K7</b>	Purple
<b>W-8111-K8</b>	Brown



### Female Panel Mount Quick-Connect Fitting

3/8" IPS Male Inlet

Part Number	Key Color
<b>W-9122-K1</b>	Black
<b>W-9122-K2</b>	Orange
<b>W-9122-K3</b>	Green
<b>W-9122-K4</b>	Yellow
<b>W-9122-K5</b>	Blue
<b>W-9122-K6</b>	White
<b>W-9122-K7</b>	Purple
<b>W-9122-K8</b>	Brown

Key Number and Color Code	Standard Service	Female Body Sleeve Dia.		Male Body Sleeve Dia.	
		in.	mm	in.	mm
<b>K1</b> Black	Helium	1.13	28.7	0.99	25.1
<b>K2</b> Orange	Air	1.16	29.5	1.02	25.8
<b>K3</b> Green	Cold Water	1.19	30.2	1.05	26.6
<b>K4</b> Yellow	Vacuum	1.22	31.0	1.08	27.4
<b>K5</b> Blue	Gas	1.24	31.5	1.11	28.1
<b>K6</b> White	—	1.28	32.5	1.14	28.9
<b>K7</b> Purple	Argon	1.31	33.3	1.17	29.7
<b>K8</b> Brown	Nitrogen	1.34	34.0	1.20	30.4